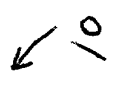


Figure 1.



2

Figure 3

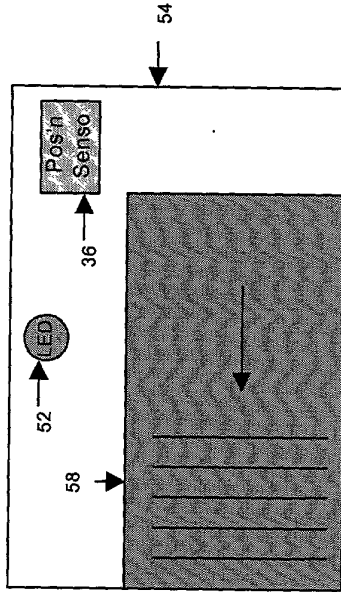


Figure 4

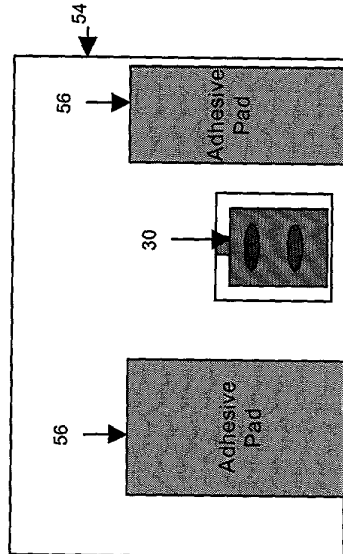


Figure 5

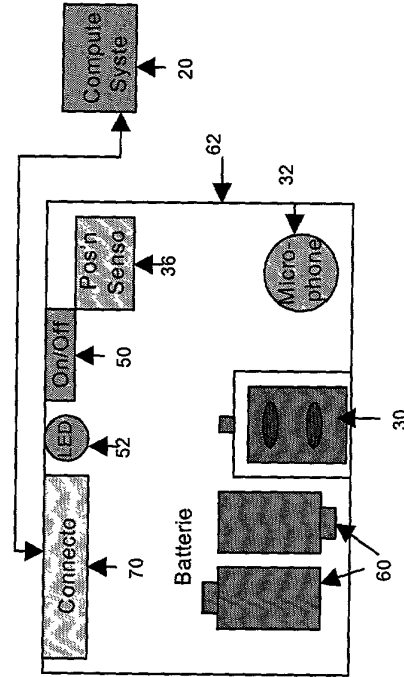
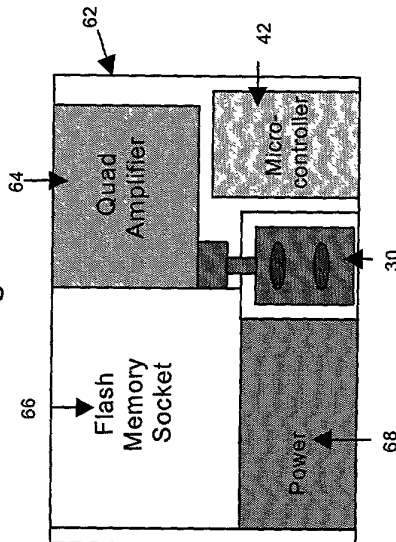


Figure 6



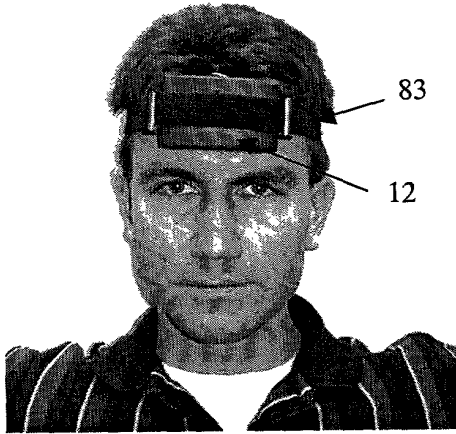


Figure 7.

5

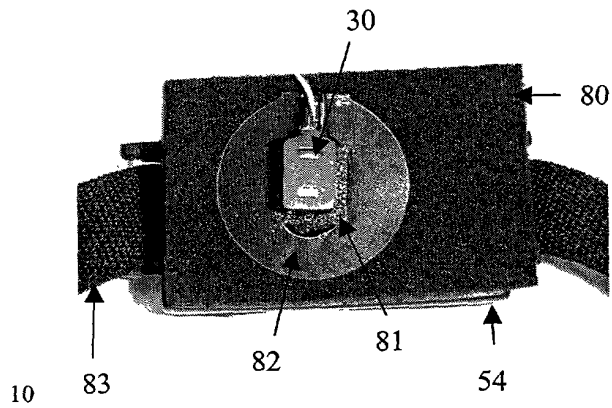


Figure 8.

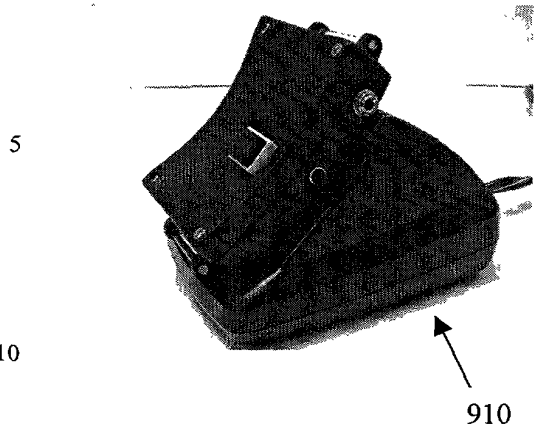


Figure 9

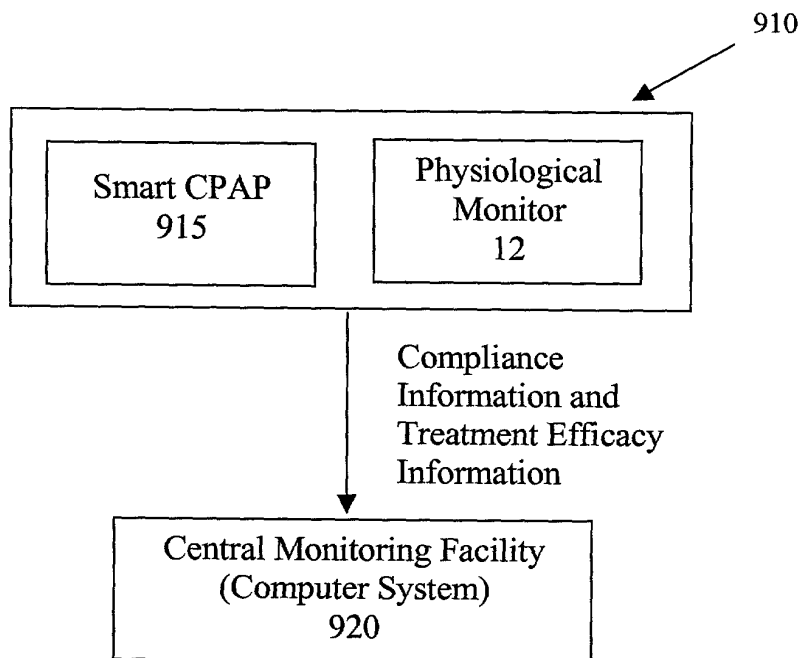


Figure 10

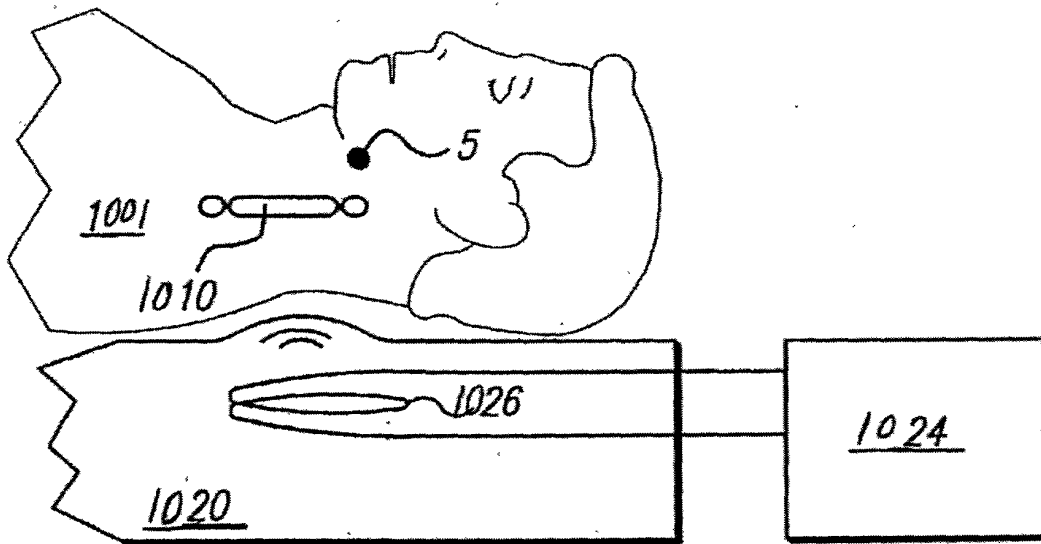


Figure 11

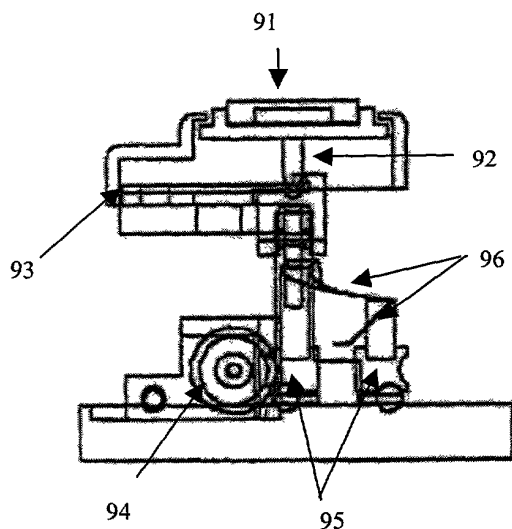


Figure 12. Illustration of SpO2 active pressure device.

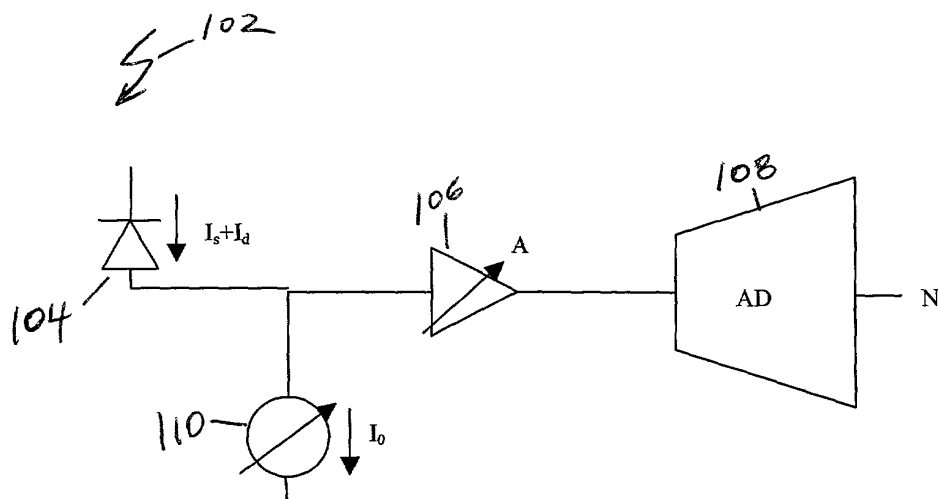


Figure 13. Diagram of SpO2 Measuring Circuit

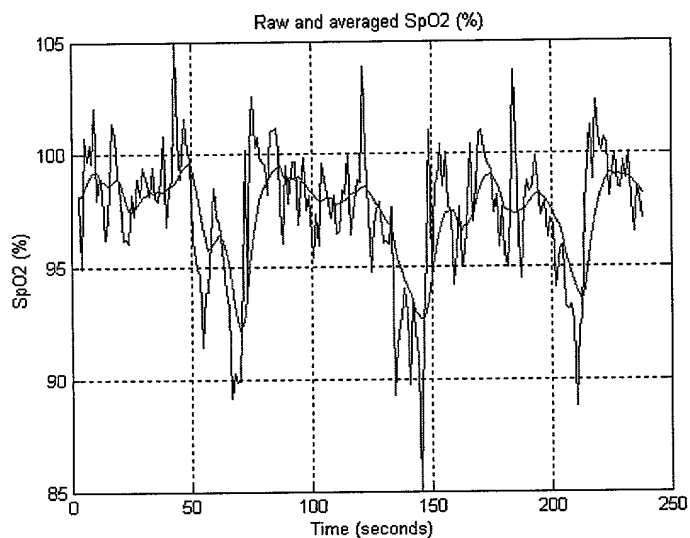


Figure 14. Illustration of the raw SpO2 signal and after application of the three level smoothing algorithm.

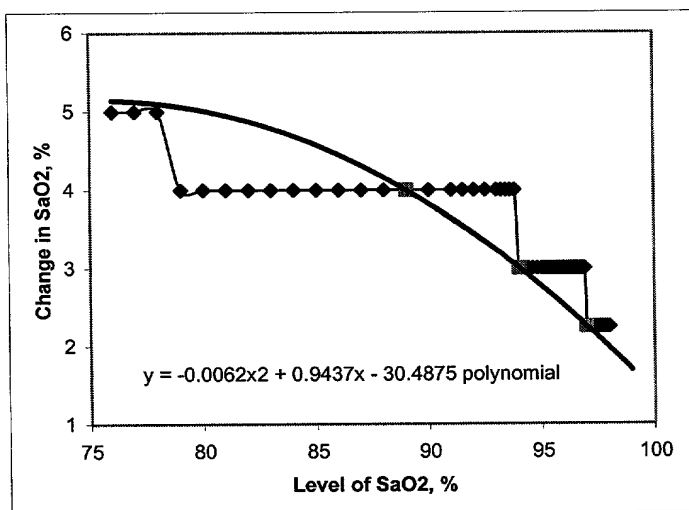


Figure 15: Curve of the regression line for calculating required magnitude of desaturation based on the stepped approach.



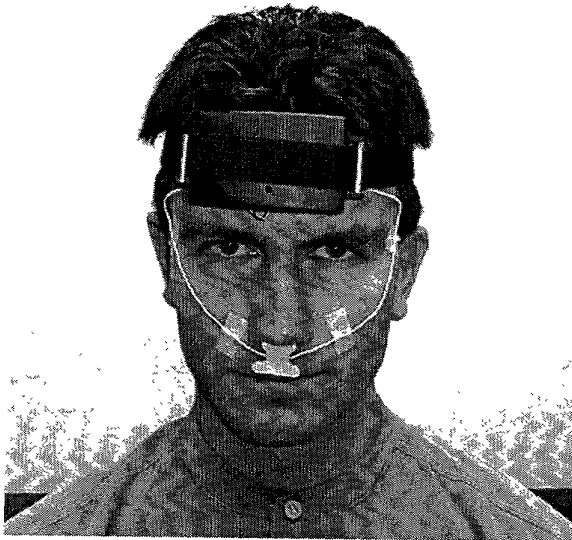


Figure 16. Physiological monitor in alternative embodiment with airflow sensor.